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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,736	09/19/2005	Johan Nilsson	P16235US2 6963	
27045 ERICSSON IN	7590 01/16/200°	,	EXAMINER	
6300 LEGACY DRIVE			PHU, SANH D	
M/S EVR 1-C- PLANO, TX 7			ART UNIT	PAPER NUMBER
•			2618	
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SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		01/16/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/528,736	NILSSON ET AL.				
Office Action Summary	Examiner	Art Unit				
	Sanh D. Phu	2618				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was realiure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	lely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
	Responsive to communication(s) filed on 19 September 2005.					
·=	,—					
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3,11,12,14,15,17,18 and 20 is/are re 7) ☐ Claim(s) 4-10,13,16 and 19 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration. ejected.					
Application Papers						
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 3/22/2005 is/are: a) ☐ Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	accepted or b) \boxtimes objected to by t drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				

Art Unit: 2618

DETAILED ACTION

Drawings

1. The drawings are objected to because of following reasons:

In figures 1 and 4, functional blocks should be labeled with corresponding functional names. For instance, in figure 1, block (12) is suggested to be labeled with --Transceiver--, block (14) with --processor--, etc.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the

Application/Control Number: 10/528,736 Page 3

Art Unit: 2618

renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

2. Claims 4-11, 14, 17 and 20 are objected to under 37 CFR 1.75(c) as being in improper form in multiple dependent claims. See MPEP § 608.01(n). Accordingly, the claims 4-11, 14, 17 and 20 are not been further treated on the merits.

Claim Rejections - 35 USC § 102/103

3. Claims 1-3, 11, 12, 14, 15, 17, 18 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Dahlman et al (6,173,162), provided in the IDS filed on 3/22/05, or under 35 U.S.C. 103(a), as unpatentable over Dahlman et al.

Art Unit: 2618

-Regarding to claim 1, Dahlman et al discloses a method of power control in a mobile telecommunications network, the method (see figure 4) carried out in a mobile station for controlling transmit power of a base station, the method comprising:

procedures (28) of calculating a signal strength reference value (SIR) for each of a plurality of channels (PDCH1, PDCH2) in use (the signal strength reference being indicated via measure BER or FER of received signals obtained based on a previously calculated value for that channel in a power control loop); and maintaining the calculated signal strength reference value for a channel at or above a predetermined minimum signal strength reference value (SIR_{req}) (see col. 1, line 66 to col. 2, line 55, col. 5, line 61 to col. 6, line 25, col. 7, line 57 to col. 8, line 7).

person skilled in the art that that the invention would be implemented in such a way that a composite reference signal strength value (SIR) (see Dahlman et al, col. 2, lines 35-40) indicated via the "mean power" of a composite signal for all of said plurality of channels received at the mobile station must be greater than

the calculated signal strength reference values for the plurality of channels otherwise the mobile station would never physically obtain the reference signal

strength value (SIR) for each of the plurality channel, as desired.

With such the implementation, Dahlman et al teaches procedure of determining a signal strength reference value to be used for all of said plurality of channels in use, as the highest of all of the calculated signal strength reference values, as claimed.

-Regarding to claim 2, as applied to claim 1, Dahlman et al teaches that the signal strength reference value for a channel is a Signal-to-Interference Ratio (SIR) reference value.

-Regarding to claim 3, Dahlman et al teaches procedure of incrementally increasing or decreasing the signal strength reference value dependent upon a quality criteria check (see Dahlman et al, col. 2, lines 45-55).

-Regarding to claim 11, Dahlman et al discloses that the mobile telecommunications network uses CDMA (considered here equivalent with the limitation "WCDMA") (see col. 1, lines 9-20).

-Regarding to claim 12, as similarly applied to claims 1-3 and 11, set forth above and herein incorporated, Dahlman et al discloses a mobile station (see figure 4) for use in a telecommunications network, wherein the mobile station comprises means (28) for performing power control by a method (see figure 4) carried out in the mobile station for controlling transmit power of a base station, the method comprising:

procedures (28) of calculating a signal strength reference value (SIR) for each of a plurality of channels (PDCH1, PDCH2) in use (the signal strength reference being indicated via measure BER or FER of received signals obtained based on a previously calculated value for that channel in a power control loop); and maintaining the calculated signal strength reference value for a channel at or above a predetermined minimum signal strength reference value (SIR_{req}) (see col. 1, line 66 to col. 2, line 55, col. 5, line 61 to col. 6, line 25, col. 7, line 57 to col. 8, line 7).

Further in Dahlman et al, it is inherent that or would be obvious for a person skilled in the art that that the invention would be implemented in such a way that a composite reference signal strength value (SIR) (see Dahlman et al,

col. 2, lines 35–40) indicated via the "mean power" of a composite signal for all of said plurality of channels received at the mobile station must be greater than the calculated signal strength reference values for the plurality of channels otherwise the mobile station would never physically obtain the reference signal strength value (SIR) for each of the plurality channel, as desired.

With such the implementation, Dahlman et al teaches procedure of determining a signal strength reference value to be used for all of said plurality of channels in use, as the highest of all of the calculated signal strength reference values, as claimed.

- -Claim 14 is rejected with similar reasons set forth for claim 11.
- -Regarding to claim 15, as similarly applied to claims 1–3 and 11, set forth above and herein incorporated, discloses a base station (see figure 3) for use in a telecommunications network, wherein the base station comprises means (14) for performing power control by a method (see figure 4) carried out in a mobile station for controlling transmit power of the base station, the method comprising:

Art Unit: 2618

procedures (28) of calculating a signal strength reference value (SIR) for each of a plurality of channels (PDCH1, PDCH2) in use (the signal strength reference being indicated via measure BER or FER of received signals obtained based on a previously calculated value for that channel in a power control loop); and maintaining the calculated signal strength reference value for a channel at or above a predetermined minimum signal strength reference value (SIR_{req}) (see col. 1, line 66 to col. 2, line 55, col. 5, line 61 to col. 6, line 25, col. 7, line 57 to col. 8, line 7).

Further in Dahlman et al, it is inherent that or would be obvious for a person skilled in the art that that the invention would be implemented in such a way that a composite reference signal strength value (SIR) (see Dahlman et al, col. 2, lines 35–40) indicated via the "mean power" of a composite signal for all of said plurality of channels received at the mobile station must be greater than the calculated signal strength reference values for the plurality of channels otherwise the mobile station would never physically obtain the reference signal strength value (SIR) for each of the plurality channel, as desired.

Application/Control Number: 10/528,736

Art Unit: 2618

Page 9

With such the implementation, Dahlman et al teaches procedure of determining a signal strength reference value to be used for all of said plurality of channels in use, as the highest of all of the calculated signal strength reference values, as claimed.

-Claim 17 is rejected with similar reasons set forth for claim 11.

-Regarding to claim 18, as similarly applied to claims 1-3 and 11, set forth above and herein incorporated, discloses a telecommunications network, comprising means (28) for performing power control by a method (see figure 4) carried out in a mobile station for controlling transmit power of a base station, the method comprising:

procedures (28) of calculating a signal strength reference value (SIR) for each of a plurality of channels (PDCH1, PDCH2) in use (the signal strength reference being indicated via measure BER or FER of received signals obtained based on a previously calculated value for that channel in a power control loop); and maintaining the calculated signal strength reference value for a channel at or above a predetermined minimum signal strength reference value (SIR_{reg}) (see

Application/Control Number: 10/528,736 Page 10

Art Unit: 2618

col. 1, line 66 to col. 2, line 55, col. 5, line 61 to col. 6, line 25, col. 7, line 57 to col. 8, line 7).

Further in Dahlman et al, it is inherent that or would be obvious for a person skilled in the art that the invention would be implemented in such a way that a composite reference signal strength value (SIR) (see Dahlman et al, col. 2, lines 35–40) indicated via the "mean power" of a composite signal for all of said plurality of channels received at the mobile station must be greater than the calculated signal strength reference values for the plurality of channels otherwise the mobile station would never physically obtain the reference signal strength value (SIR) for each of the plurality channel, as desired.

With such the implementation, Dahlman et al teaches procedure of determining a signal strength reference value to be used for all of said plurality of channels in use, as the highest of all of the calculated signal strength reference values, as claimed.

-Claim 20 is rejected with similar reasons set forth for claim 11.

Allowable Subject Matter

Application/Control Number: 10/528,736

Art Unit: 2618

Page 11

4. Claims 4-10 would be allowable if rewritten to overcome the objection(s), set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

5. Claims 13, 16 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. References 6873856, 6622024 and 6285887 are additionally cited because they are pertinent to the claimed method and associated system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D. Phu whose telephone number is (571)272-7857. The examiner can normally be reached on M-Th from 7:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571) 272-

Application/Control Number: 10/528,736

Art Unit: 2618

4177. The fax phone number for the organization where this application or

proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from

Page 12

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9199 (IN USA OR CANADA) or 571-272-1000.

Sanh D. Phu

Examiner

Division 2618

12/12/06

& Zphin

SANH D. PHU PATENT EXAMINER

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